

Ref: INS/L-5427/2019-2020(Y)

Date : 17/09/2019

ENQUIRY

Dear Sirs,
Please let us have your lowest Quotation for the following :

Sl.No	Cat.No	Item Description	Make/Model	Item Qty	UOM
1		Trigas Incubator (Specification Attached)		1.00	No.

Remarks: TWO PART TENDER- The Technical and Financial / Price Bids shall be submitted simultaneously in two (2) cover (sealed) system. The proposals shall be evaluated in two stages: (1) Technical and (2) Price / Financial. Technical evaluation will be carried out and those Vendors who score minimum 75% will qualify for Price Bid opening. Thereafter, Financial Proposal shall be evaluated. The Commercially LOWEST BIDDER shall be the first preferred Vendor for award of Order.

Note :

1. The bids shall be enclosed in an envelope , and due date sealed duly marked "Tender for _____" Ref No : _____. The bids should be addressed and to be mailed to "THE HEAD-PURCHASE". The bids are liable to be rejected if the sealed envelope is not addressed to "THE HEAD-PURCHASE" with Tender Ref No and Item Description and due date. The bids delivered in person shall be dropped in Purchase Section. If the bids are sent through courier or mail , it should reach by submission Date and Time and inStem will not be responsible for the delay.

2. DUE DATE FOR SUBMISSION OF QUOTATION AGAINST THIS ENQUIRY IS 01/10/2019 till 02:00 pm

3. QUOTATIONS RECEIVED AFTER THE DUE DATE SHALL BE REJECTED.

4. The Validity of your quotation should be for 60 days from the date.

5. All duties, taxes, surcharge and cess as currently applicable must be stated in your quotation, separately. Otherwise your quote is liable to be rejected.

6. Your quotation should indicate delivery period & Warranty period.

7. Delivery to be made to our Stores. Please indicate charges, if any extra. Transit Insurance should be done upto inStem Stores.

8. If you are unable to supply the quality, specifications or brand as mentioned in our enquiry, Please state so and then offer alternative to quality/Specifications.

9. Payment : within one month after delivery & acceptance/satisfactory installation.

10. Please ensure that the enquiry number and the due date is superscribed on the envelope failing which your quotation is liable to be rejected.

11. Since we are a public funded research institution, we are exempted from paying Customs Duty (Except ad valorem duty of 5% + 2% cess and CVD @4% vide Notification No.51/96 with latest amendments) and excise duty vide Notification No.10/97 CENTRAL EXCISE dated 01-03-1997 for all scientific equipments, technical instruments, equipments (including computers), their accessories, spares, consumables and software. Hence, please offer your prices taking this option into consideration.

11a. The Price quoted against this RFQ should be extended to Bangalore Life Science Cluster (BLiSc) of NCBS, inStem and C-CAMP for placing repeat order as per norms, by any one or all institutes of Bangalore Life Science Cluster (BLiSc). **inStem is a public funded research institute and is entitled to concessional rate of GST @ 5% for items supplied for research purpose. The offer should be submitted after fully considering the above notification. **The Tenders to be quoted in foreign currencies & any other currencies approved/traded by RBI - USD/Euro/JPY/GBP/SGD/CAD/INR.



Institute For Stem Cell Biology and Regenerative Medicine
Autonomous institute of the Department of Biotechnology, Government Of India



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12.If the item is covered under DGS&D rate contract,please quote the rate as per the DGS&D rate contract with xerox copy of the DGS&D order.

13.Any dispute or differences that may arise between the parties shall be referred to the sole arbitration of the Centre Director or his nominees.The decision of the arbitrator shall be final and binding on the parties.The venue for arbitration shall be Bangalore.The provisions of the Arbitration and Concillation Act,1996 as amended from time to time shall apply.The Courts in Bangalore shall have exclusive jurisdiction to deal with any or all disputes between the parties.

Yours faithfully

For and on behalf of Insitute For Stem Cell
Biology and Regenerative Medicine

A handwritten signature in black ink, appearing to be 'Sru R'.

Sru R

GKVK, Bellary Road, Bangalore-560065,INDIA

Phone No. : 91-80-23666343/344/345/346

Fax : 91-80-23636662

Email Id: purchase@ncbs.res.in

Website : www.ncbs.res.in



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**2 PART TENDER FOR Trigas Incubator Technical Specifications - quantity 1 No.
Tender Reference INS/L-5427/2019-2020(Y)**

Specification For Trigas Incubator 3 Years Warranty
TRIGAS (N2/O2) INCUBATOR Single chamber with I/R CO2 sensor with high temperature decontamination of inner chamber
The incubator should have a capacity of app 165 L chamber with interior components constructed of electropolished stainless steel, with rounded corners, to minimize potential for unwanted contamination and simplify cleaning.
The incubator should have a narrow space saving and easily stackable design with small relative footprint not to exceed 26" width, 36" height or 32" depth and reversible door swing, to conserve valuable laboratory space and maximize flexibility of placement within a variety of laboratory environments.
Incubator should be direct air jacketed heating design featuring high quality thermal jacket insulation and THRIVE active airflow, fan assisted circulation, allowing recovery under 10 minutes of all parameters (temperature, CO2, and relative humidity) following a 30 second door opening .
The incubator must have an integrated humidification design, a water reservoir that is in direct contact with a heated surface to maximize humidification efficiency as opposed to removable water pans which impede heat transfer. With recovery in under 10 minutes after a 30 second door opening
Unit to have a water level sensor and alarm to alert user when humidification water refill is required..
Humidity reservoir may be filled without the removal of shelves or cultures and easily drained through built-in copper drain.
All control and measurement probes and sensors to be located inside the culture chamber to provide true and accurate values and foster faster parameter recovery times than is possible with sensors remotely located outside the chamber.
The incubator should include an independent over-temperature protection function with independent back-up temperature sensor, to protect valuable cultures from potential damage in the event of an unexpected failure in the primary temperature control system.
Incubator should have bulbless IR CO2 gas sensor technology, single beam, dual wavelength IR sensor with silicon MEMS emitter as IR source with internal auto calibration for longer, stable operation than a traditional IR sensor.
An in-chamber HEPA filtered airflow system within the culture environment continuously filters the entire chamber air volume every 60 seconds.
Incubator should comply to ISO 5 clean room air quality to be achieved within the culture chamber within 5 minutes following a 30 second door opening,
Unit to have touch screen user interface, a bright, easy to read VGA control module display that provides interactivity by selection and viewing of all basic parameters. Access to daily operation

**2 PART TENDER FOR Trigas Incubator Technical Specifications - quantity 1 No.
Tender Reference INS/L-5427/2019-2020(Y)**

<p>The incubator should have on-board graphics capability, via the controller, enabling users to obtain historical performance by parameter or specified time periods to allow understanding of culture growth dynamics and usage patterns, enhancing research results.</p>
<p>Touch screen interface to log and display all user interactions with the incubator (eg. door openings, parameter changes) facilitating the identification of important changes in the culture environment.</p>
<p>The incubator should have automated chamber sterilization of overnight (under 12 hours) high temperature sterilization cycle of 180 °C that has been proven effective in contamination control against bacteria, molds, resistant bacterial spores and mycoplasma</p>
<p>The unit should have high quality microbiological filters on all gas inlets, outlets and sample ports, to eliminate the potential of contamination entering the chamber from these points.</p>
<p>The incubator should have a standard USB port with software for data downloading and reporting in Windows Excel format.</p>
<p>Optional 4-20mA signal output should be available for interfacing with external data collection systems, which is ideal for GMP environments using external sensors and CFR-21 compliant software package.</p>
<p>Incubator is CSA certified and CE marked, demonstrating that stringent testing procedures have been undertaken by independent agencies to provide the customer’s best assurance of unquestioned quality and suitability for function.</p>
<p>Incubator must have a feature to use up to six individual, autoclavable polycarbonate chambers that divide the incubator chamber, isolating individual cell types or projects. Individual Cell Lockers serve to quarantine cell types or different projects, offering enhanced protection for valuable cultures. Each Cell chamber should have dual 0.2 µm membrane filters that permit air circulation but exclude microbial contaminants. Independent tests demonstrate that microorganisms cannot pass between closed chambers. When one Cell chamber is opened, the remaining five Cell chambers should maintain the ideal growth environment for sensitive stem cells, primary cells, diagnostic tests and more</p>

Terms and Conditions:

1. The Technical and Financial / Price Bids shall be submitted simultaneously in two (2) cover (sealed) system. The proposals shall be evaluated in two stages: (1) Technical and (2) Price / Financial. Technical evaluation will be carried out and those Vendors who score minimum 75% will qualify for Price Bid opening. Thereafter, Financial Proposal shall be evaluated. The Commercially LOWEST BIDDER shall be the first preferred Vendor for award of Order.
2. first sealed cover – Cover I, and super scribed as “Techno-commercial Bid” and should contain Complete Technical details of the Instrument offered (Specifications, Technical Parameters, Advantages, etc.,)



Institute for Stem Cell Biology and Regenerative Medicine

2 PART TENDER FOR Trigas Incubator Technical Specifications - quantity 1 No. Tender Reference INS/L-5427/2019-2020(Y)

3. The second sealed cover – Cover II super scribed 'Price Bid' should contain only rates (should be duly signed with seal and filled with date wherever necessary)
4. THESE TWO COVERS SHALL BE AGAIN PUT INTO A SINGLE WAX SEALED COVER super scribed “**Trigas Incubator -Qty 01 No.**” and should reach INSTEM on or before 01-10-2019 before 14:00 hrs”. This should be addressed to the Purchase Officer, inStem, NCBS, GKVK Post, Bellary Road, Bangalore – 65.
5. The tender to be quoted in foreign currencies & any other currencies approved/traded by RBI-USD/Euro/JPY/GBP/SGD/CAD/INR.
6. If the items as per specifications in our P.O. is not supplied (shipped) within the specified delivery schedule, then liquidated damages (not in terms of penalty) will be imposed automatically and shall be deducted from the bill at the rate of 0.5% per week subject to a maximum of 10% of the order value.



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**2 PART TENDER FOR Trigas Incubator Technical Specifications - quantity 1 No.
Tender Reference INS/L-5427/2019-2020(Y)**

INFORMATION TO TENDERERS

The Tender shall be evaluated under 2 (Two) Bid System

- a. Technical Bid
- b. Financial Bid

Specification For Trigas Incubator 3 Years Warranty	<i>Score</i>
TRIGAS (N2/O2) INCUBATOR Single chamber with I/R CO2 sensor with high temperature decontamination of inner chamber	15
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Incubator should be direct air jacketed heating design featuring high quality thermal jacket insulation and THRIVE active airflow, fan assisted circulation, allowing recovery under 10 minutes of all parameters (temperature, CO2, and relative humidity) following a 30 second door opening .	15
The incubator must have an integrated humidification design, a water reservoir that is in direct contact with a heated surface to maximize humidification efficiency as opposed to removable water pans which impede heat transfer. With recovery in under 10 minutes after a 30 second door opening	
Unit to have a water level sensor and alarm to alert user when humidification water refill is required..	
Humidity reservoir may be filled without the removal of shelves or cultures and easily drained through built-in copper drain.	15
All control and measurement probes and sensors to be located inside the culture chamber to provide true and accurate values and foster faster parameter recovery times than is possible with sensors remotely located outside the chamber.	
The incubator should include an independent over-temperature protection function with independent back-up temperature sensor, to protect valuable cultures from potential damage in the event of an unexpected failure in the primary temperature control system.	
Incubator should have bulbless IR CO2 gas sensor technology, single beam, dual wavelength IR sensor with silicon MEMS emitter as IR source with internal auto calibration for longer, stable operation than a traditional IR sensor.	10
An in-chamber HEPA filtered airflow system within the culture environment continuously filters the entire chamber air volume every 60 seconds.	

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Unit to have touch screen user interface, a bright, easy to read VGA control module display that provides interactivity by selection and viewing of all basic parameters. Access to daily operation	
The incubator should have on-board graphics capability, via the controller, enabling users to obtain historical performance by parameter or specified time periods to allow understanding of culture growth dynamics and usage patterns, enhancing research results.	5
Touch screen interface to log and display all user interactions with the incubator (eg. door openings, parameter changes) facilitating the identification of important changes in the culture environment.	
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The unit should have high quality microbiological filters on all gas inlets, outlets and sample ports, to eliminate the potential of contamination entering the chamber from these points.	
The incubator should have a standard USB port with software for data downloading and reporting in Windows Excel format.	
Optional 4-20mA signal output should be available for interfacing with external data collection systems, which is ideal for GMP environments using external sensors and CFR-21 compliant software package.	10
Incubator is CSA certified and CE marked, demonstrating that stringent testing procedures have been undertaken by independent agencies to provide the customer's best assurance of unquestioned quality and suitability for function.	
Incubator must have a feature to use up to six individual, autoclavable polycarbonate chambers that divide the incubator chamber, isolating individual cell types or projects. Individual Cell Lockers serve to quarantine cell types or different projects, offering enhanced protection for valuable cultures. Each Cell chamber should have dual 0.2 µm membrane filters that permit air circulation but exclude microbial contaminants. Independent tests demonstrate that microorganisms cannot pass between closed chambers. When one Cell chamber is opened, the remaining five Cell chambers should maintain the ideal growth environment for sensitive stem cells, primary cells, diagnostic tests and more	15
Total	100
Evaluation will be carried out and those Vendors who score minimum 75% will qualify for Price Bid opening, will qualify for Price Bid opening. Thereafter, Financial proposal shall be evaluated. The Commercially LOWEST BIDDER shall be the first preferred Vendor for award of Order.	